

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD FOR MANUFACTURING A MULTI-LAYERED CERAMIC SUBSTRATE,
the specification of which is attached hereto unless the following box is checked:



was filed on April 19, 1999 as

United States Application Number or PCT International Application Number PCT/JP99/02079
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Not Claimed

10-114671

Japan

24 April 1998

(Number)

(Country)

(Day/Month/Year Filed)



(Number)

(Country)

(Day/Month/Year Filed)



I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

(Application Number)

(Filing Date)

(Application Number)

(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Number) _____ (Filing Date) _____ (Status - patented, pending, abandoned)

(Application Number) _____ (Filing Date) _____ (Status - patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Paul F. Prestia	Reg. No. 23,031	Lawrence E. Ashery	Reg. No. 34,515	Mark J. Marcelli	Reg. No. 36,593
Allan Ratner	Reg. No. 19,717	Christopher R. Lewis	Reg. No. 36,201	Joshua L. Cohen	Reg. No. 38,040
Andrew L. Ney	Reg. No. 20,300	Robert L. Andersen	Reg. No. 25,771	Jack J. Jankovitz	Reg. No. 42,690
Kenneth N. Nigon	Reg. No. 31,549	Daniel N. Calder	Reg. No. 27,424		
Kevin R. Casey	Reg. No. 32,117	Louis W. Beardell, Jr.	Reg. No. 40,506		
Benjamin E. Leace	Reg. No. 33,412	Jacques L. Etkowicz,	Reg. No. 41,738		
James C. Simmons	Reg. No. 24,842	Eric A. Dichter	Reg. No. 41,708		

Address all correspondence to: Lawrence E. Ashery

Ratner & Prestia, Suite 301, One Westlakes, Berwyn, P.O. Box 980, Valley Forge, PA 19482-0980

Address all telephone calls to: Lawrence E. Ashery at (610) 407-0700.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name) Shigetoshi Segawa

Inventor's signature _____ Date _____

Residence Ehime, Japan

Citizenship Japanese

Post Office Address 2496-5, Hagyu, Niihama-shi, Ehime 792-0050, Japan

Full name of second joint inventor, if any (given name, family name) Hiroshi Ochi

Second Inventor's signature _____ Date _____

Residence Ehime, Japan

Citizenship Japanese

Post Office Address 454-15, Hinokuchi, Sajio-shi, Ehime 793-0043, Japan



Additional inventors are being named on separately numbered sheets attached hereto.

SP824180

Full name of third joint inventor, if any (given name, family name) Yasuyuki Baba

001 030 11 074109 b'398 OSA

Third inventor's signature _____

Date _____

Residence Ehime, Japan

Citizenship Japanese

Post Office Address 1-140, Tenjin, Saijo-shi, Ehime 793-0002, Japan

Full name of fourth joint inventor, if any (given name, family name) Osamu Shiraishi

Fourth inventor's signature _____

Date _____

Residence Ehime, Japan

Citizenship Japanese

Post Office Address 267-2, Omachi, Saijo-shi, Ehime 793-0030, Japan

Full name of fifth joint inventor, if any (given name, family name) Masao Konishi

Fifth inventor's signature _____

Date _____

Residence Ehime, Japan

Citizenship Japanese

Post Office Address 2780-12, Hagyu, Niihama-shi, Ehime 792-0050, Japan